

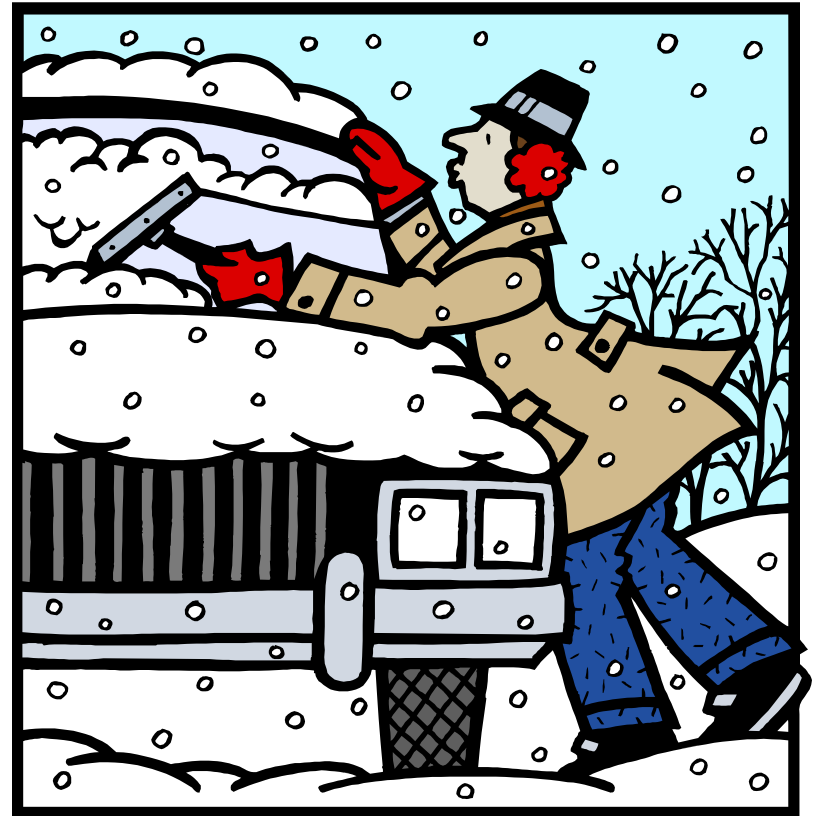
WINTER DRIVING



In the Mid-Atlantic Region

WINTER DRIVING ORIENTATION

- Hazards of driving during the winter months



EFFECTS OF WEATHER **ON EQUIPMENT**

COLD WEATHER ENGINE STARTING AND WARM-UP PROCEDURES.

1. DO NOT RACE ENGINE!

2. CLEAN OFF VEHICLE COMPLETELY!

- CLEAN ALL LIGHTS**

- SCRAPE ALL WINDOWS AND MIRRORS**

- SWEEP ALL THE SNOW OFF THE
VEHICLE**

*** Good all around visibility is important!!!!**



WINTER

- *Adjust to Conditions*
- *Hills and Grades*
- *Following Distance*
- *Steering*
- *Skids*



DEFENSIVE DRIVING **TECHNIQUES**

- **DRIVE AT REDUCED SPEEDS SO YOU CAN STOP QUICKER.**
- **GIVE TURN SIGNALS SOONER THAN USUAL. THIS GIVES OTHER DRIVERS MORE TIME TO REACT.**
- **PUMP YOUR BRAKES TO WARN OF YOUR INTENTION TO STOP.**
- **MAINTAIN AT LEAST TRIPLE THE NORMAL DISTANCE FROM THE VEHICLE AHEAD.**

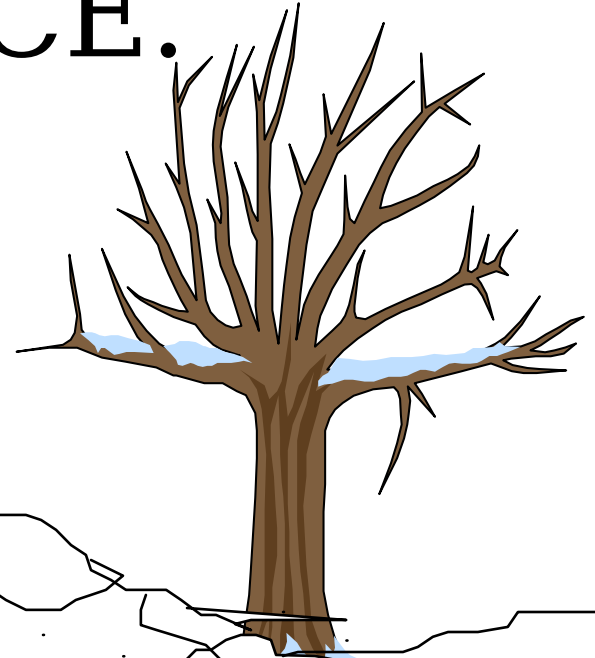
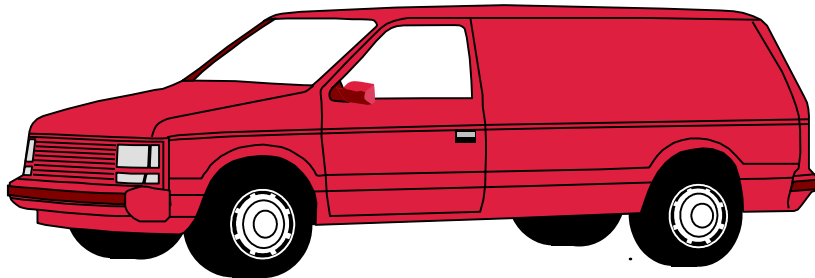
OPERATING ON SNOW **AND ICE**

ENGAGE THE CLUTCH GRADUALLY (or in D2, HIGH, WITH AUTOMATIC TRANSMISSION), AND ACCELERATE NO MORE THAN NECESSARY TO KEEP FROM STALLING.

*** AVOID QUICK ACCELERATION ON SLICK ROADS. IT WILL CAUSE YOU TO SKID.**



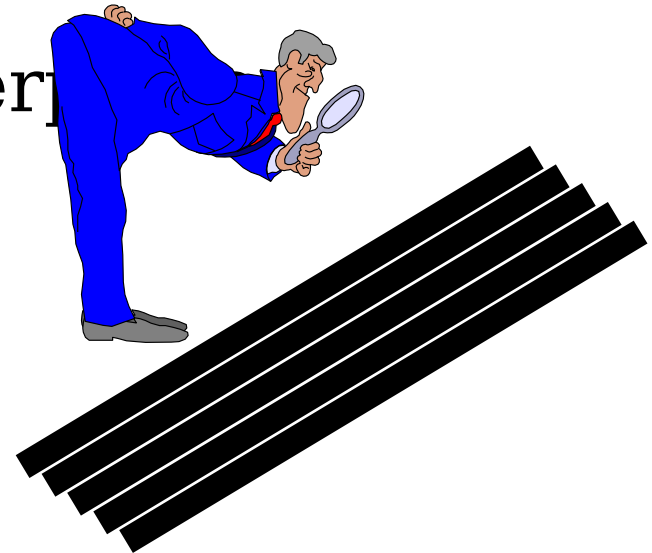
FRESH SNOW MAY
CONCEAL AN ICY
ROAD SURFACE.



BLACK
ICE
DANGEROUS BECAUSE YOU
CAN'T SEE IT!

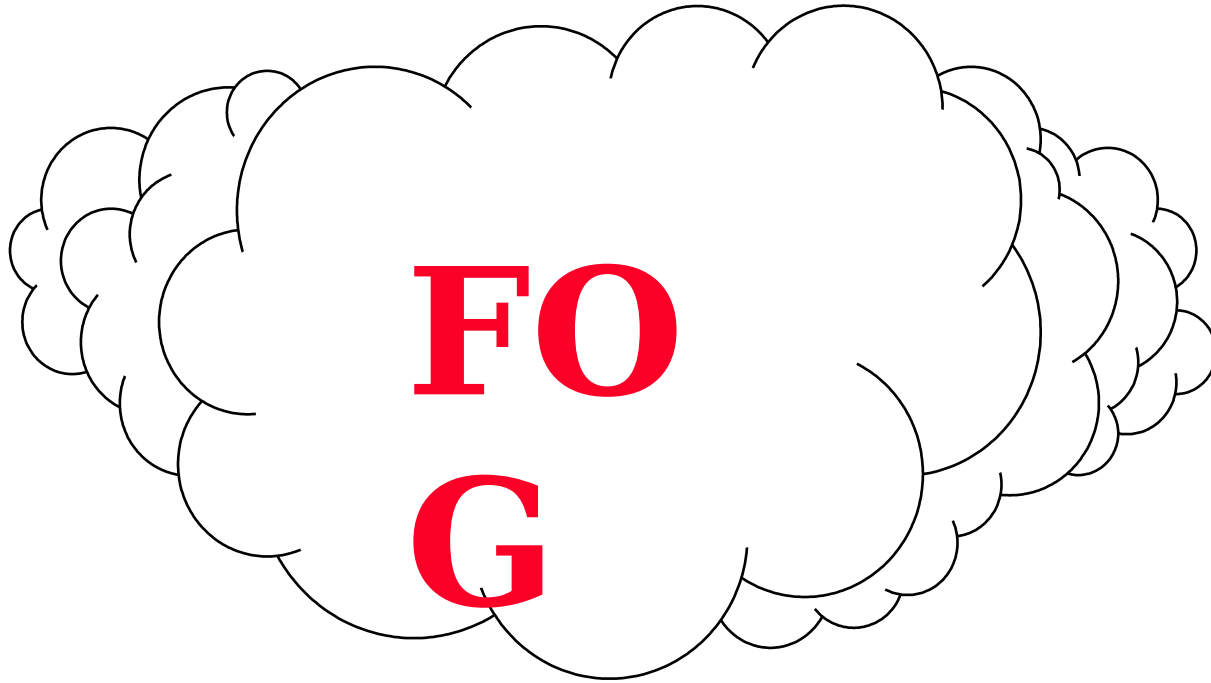
COMMON AREAS YOU FIND IT =

1. Bridges/Overpasses/Under
2. Shaded areas



BLACK **ICE** **REACTION**

- **DO NOT PANIC!**
- **MAKE NO SUDDEN CHANGES IN SPEED OR DIRECTION!**
- **EASE OFF ACCELERATOR!**
- **STEER IN DIRECTION THAT THE REAR OF THE VEHICLE IS SKIDDING!**



**WHEN DRIVING IN FOG, USE LOW-BEAM
HEADLIGHTS,**

or

**STOP, GET OFF THE ROADWAY,
AND WAIT!!**

HILLS AND GRADES

When approaching a hill or upgrade / downgrade remember to do the following:

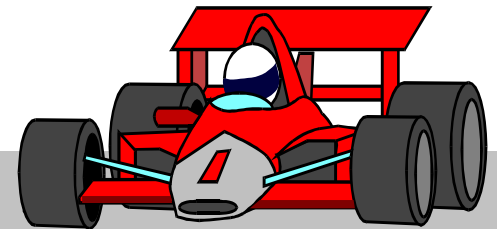
- 1. Select the proper gear before approaching, usually a lower gear.**
 - 2. Use the same gear going down that you used going up. This will allow the engine to act as a brake, so you will not have to use your brake excessively.**
- * On steep or very slippery grades, use at least one gear lower, and go slower ***

SKIDS

Result from unexpected forces:



1. Black Ice
2. Driving too fast for conditions
3. Sudden steering corrections or braking
4. Sudden accelerations



SKIDS (CONTINUED)

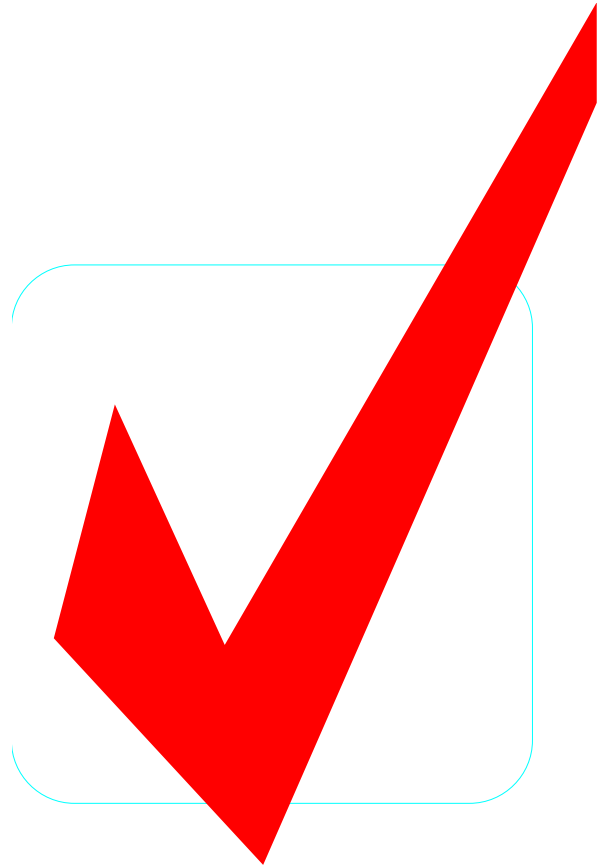
If your vehicle begins to skid, take the following actions:

1. Front end skids - Release the brake and let the front wheels roll freely to regain traction and steering control.

2. Rear end skids - Take foot off of accelerator and turn wheels in the direction that the rear of the vehicle is skidding, and pump brakes lightly.

SEAT BELTS

- Keep Inside Vehicle
- Protection
- Stabilization
- Remain Conscious
- Maintain Control
- Safer Driver



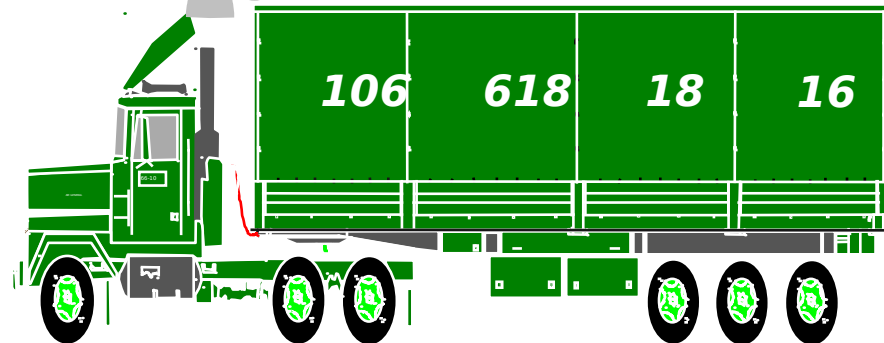
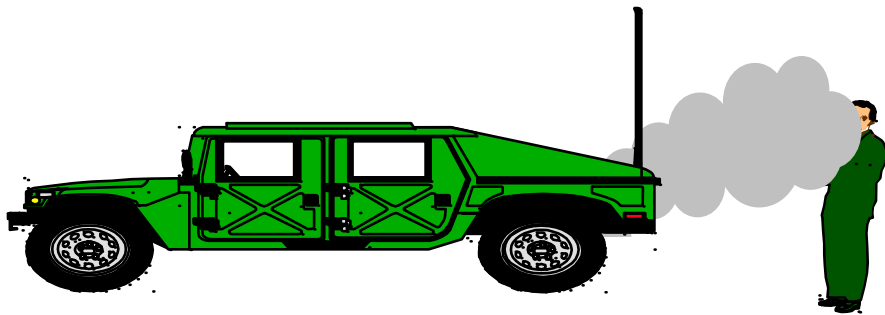
CARBON MONOXIDE

!!! DANGER !!!

CARBON MONOXIDE

POISONING

Each year 1,500 people are killed in the U.S. by
monoxide, approximately 900 of whom die in the home.
More than 10,000 are exposed to levels so dangerous that
medical attention is required.



CARBON MONOXIDE

Attributes/Effects

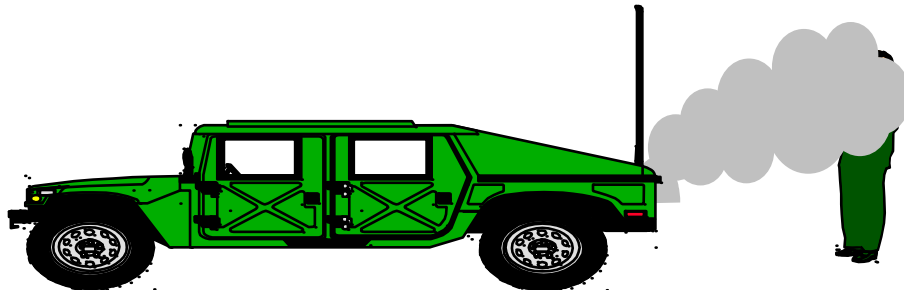
1. Odorless & Colorless
2. Nausea & Dizziness
3. Causes Drowsiness
4. CAN BE FATAL !!!



CARBON MONOXIDE

Prevention

1. Never run engine in an enclosed area
2. Check exhaust (muffler) for leaks

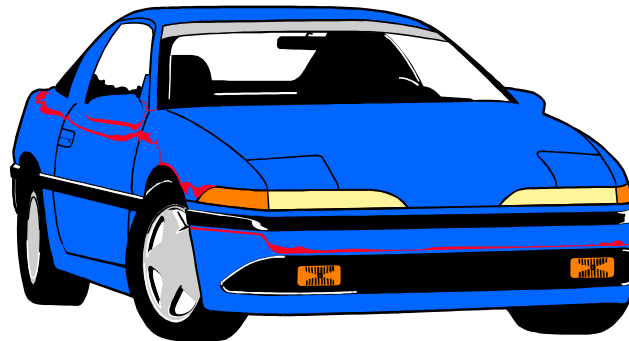




For Safe Winter Driving



Know Your Vehicle





For Safe Winter Driving



Brake System

**To make an emergency
stop**

on a Regular Brakes with...

Pump the Brake

Antilock Brakes (ABS)

Press down and hold.

The ABS will pump for you.



For Safe Winter Driving



Drive System

Rear Wheel Drive Pushes

and

Front Wheel Drive Pulls

The systems may feel a little different, but always steer in the direction of the skid, and make gentle corrections to regain control.



For Safe Winter Driving



Tires

**Are all tires inflated to
the correct pressure?**

**Do you have matching tire
types (radial or bias ply)?**



For Safe Winter Driving



Light System

Do all your lights work?

Headlights properly aimed?

**Dim your high beams in fog
and to on-coming traffic.**

**Fog lights should only be on
in low visibility conditions.**

SUMMARY

- **Cold weather greatly affects the operating performance of your equipment.**
- **Winter weather presents unique hazards -- snow, slush, ice, black ice, etc.**
- **Exercise extreme caution for safe winter driving.**
- **Increase Intervals!**
- **Slow Down!**
- **Know Your Vehicle!**